

**Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims**

1.-20. (Cancelled)

21. (Previously presented) A method for treating schizophrenia, the method comprising a step of administering to a patient with schizophrenia a therapeutically effective, non-lethal amount of a botulinum toxin, wherein the botulinum toxin is locally administered to a brain region selected from the group consisting of a lower brain region and pontine region, thereby treating schizophrenia.

22. (Original) The method of claim 21, wherein the botulinum toxin is botulinum toxin type A.

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23. (Cancelled)

24. (New) The method of claim 21, wherein the botulinum toxin is selected from the group consisting of botulinum toxin types A, B, C, D, E, F and G.

25. (New) The method of claim 21, wherein the botulinum toxin is administered in an amount between about  $10^{-3}$  U/kg and about 10 U/kg.

26. (New) The method of claim 21, wherein the administration step includes implantation of a botulinum toxin containing controlled release system.

27. (New) The method of claim 21, further comprising the step of using a stereotactic placement apparatus.

7 28. (New) The method of claim 22, wherein the botulinum toxin type A is administered in an amount between about  $10^4$  U/kg and about 10 U/kg.

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29. (New) A method for treating schizophrenia, the method comprising a step of administering to a patient with schizophrenia a therapeutically effective amount of a botulinum toxin type A, wherein the botulinum toxin type A is locally administered to a brain region selected from the group consisting of a lower brain region and pontine region, thereby treating schizophrenia.

*Cancelled  
VSP  
1/29/07*